

**Amendment to the Claims:**

This listing of claims will replace all prior version, and listings, of claims in the application:

**Listing of Claims:**

1. (canceled)
2. (canceled)
3. (canceled)
4. (canceled)
5. (canceled)
6. (canceled)
7. (canceled)
8. (canceled)
9. (canceled)
10. (canceled)
11. (canceled)
12. (canceled)
13. (canceled)
14. (canceled)
15. (canceled)
16. (canceled)
17. (canceled)
18. (presently amended) A hub arrangement for mounting light pipe to receive light, comprising:
  - a) a rod hub for mounting ~~at least one~~ a plurality of thermally isolating, light-collection rods of refractory material for receiving light from a ~~light source~~ high-

temperature light source through a non-imaging collector; the rod hub arranging light-receiving ends of said light-collection rods in a manner such that each of the light-receiving ends receives light from said light source; and

b) a light pipe hub for mounting ~~at least one~~ a plurality of light pipes, with a plug-and-socket arrangement; the plug-and-socket arrangement including:

i) a plurality of sockets in the light pipe hub for receiving a plurality of plugs; each of the plurality of sockets receiving an associated one of said plugs;

ii) said [[[a]]] plurality of plugs for mounting a light pipe end said plurality of light pipes; each of the plurality of light pipes being mounted in an associated one of said plugs; that is to receive light

iii) said plurality of light pipes receiving light from said plurality of rods; each of said plurality of light pipes receiving light from an associated one of said rods; a fore end of the plug being receivable within the socket; the plug having a channel for receiving the light pipe through an aft end of the plug; and

iv) each of said plurality of plugs comprising:

(1) a fore end being received in an associated one of said sockets;

(2) a channel for receiving an associated one of said light pipes through an aft end.

~~v) a latch arrangement to releasably hold the plug in the socket.~~

19. (original) The hub arrangement of Claim 18, wherein the plug is arranged to position the light pipe in a predetermined axial location within the plug.

20. (canceled)

21. (original) The hub arrangement of Claim 18, wherein the rod hub and the light pipe hub are so arranged as to cause the confronting faces of the light pipe end and the light-collection rod to be sufficiently close to each other that faces wet themselves to each other so as to form singular interface between the two faces.

22. (previously presented) The hub arrangement of Claim 18, wherein inter-fitting surfaces of the socket and plug are shaped non-cylindrically to prevent insertion of the plug unless the confronting faces of the light-collection rod and the light pipe are

so arranged that the light-carrying portion of the light pipe receives substantially all the light emitted by the rod.

23. (original) The hub arrangement of Claim 22, wherein the socket can receive a plug holding a light pipe with a light-carrying portion of a first size and a plug holding a light pipe with a light-carrying portion of a larger size.

24. (previously presented) The hub arrangement of Claim 18, wherein:

- a) the rod hub includes a plate;
- b) the plate comprises:
  - i) a first main surface and a second main surface;
  - ii) an aperture between the first and the second surface; the rod passing through the aperture; and
- c) the plate mounting the rod to the hub.

25. (original) The hub arrangement of Claim 24, wherein the plate has a groove contoured for receiving an O-ring for being compressed against the rod when the plate is secured into the rod hub.

26. (original) The hub arrangement of Claim 24, wherein the plate is removable from the rod hub.

27. (original) The hub arrangement of Claim 24, wherein the rod hub includes a compressible gasket for holding the rod.

28. (original) The hub arrangement of Claim ~~47~~ 48, wherein an a continuous interior channel in the plug for receiving the light pipe has an increasing diameter from the fore end to the aft end of the plug.

29. (original) The hub arrangement of Claim 18, wherein the light pipe hub is made of plastic.

30. (original) The hub arrangement of Claim 29, wherein the plug is made of metal.

31. (canceled)

32. (presently amended) The hub arrangement of Claim 18, wherein the aft end of the plug has a walled cavity facing away from the light pipe hub for mounting a device for protecting the light pipe.
33. (presently amended) The hub arrangement of Claim 32 ~~34~~, wherein the device is a strain-relief device for relieving strain on the light pipe.
34. (presently amended) The hub arrangement of Claim 32 ~~34~~, wherein the device is a flexible metal conduit for receiving the light pipe.
35. (original) A hub arrangement for mounting light pipe to receive light, comprising:
- a) a rod hub for mounting at least one thermally isolating, light-collection rod for receiving light from a light source; the rod hub including a plate with an aperture for receiving the rod and mounting the rod to the hub; and the plate having a groove contoured for receiving an O-ring for being compressed against the rod when the plate is secured into the rod hub;
  - b) a light pipe hub made of plastic for mounting at least one light pipe, with a plug-and-socket arrangement; the plug-and-socket arrangement including:
    - i) a socket in the light pipe hub for receiving a plug; and
    - ii) a plug for mounting a light pipe end that is to receive light; a fore end of the plug being receivable within the socket; the plug having a channel for receiving the light pipe through an aft end of the plug; the plug including an interior channel for receiving the light pipe, the channel having an increasing diameter from the fore end to the aft end of the plug; the channel having a stop to locate the light pipe in a predetermined axial location within the plug; and an aft end of the plug having a generally annular cavity for connecting to a strain-relief device.
36. (original) The arrangement of claim 35, wherein the number of rods and light pipes is three or four.
37. (previously presented) The hub arrangement of Claim 18, wherein the light pipe is held in the plug with the aid of glue.

38. (previously presented) The hub arrangement of Claim 37, wherein the glue is cyanoacrylate-based glue or epoxy.
39. (presently amended) ~~The hub arrangement of Claim 28, wherein the light pipe is held in the plug with the aid of compression.~~ The hub arrangement of Claim 28, wherein:
- a) that portion of the light pipe mounted within the plug has a longitudinal axis; and
  - b) said portion of the light pipe is held within the plug with the aid of radial compression with respect to said longitudinal axis.
40. (previously presented) The hub arrangement of Claim 18, wherein the channel of the plug has a stop to locate the light pipe in a predetermined axial location with the plug.
41. (presently amended) The hub arrangement of Claim 32 34, wherein the plug has a flexible latch for being received within a walled cavity of the socket for locking the plug into the socket in axial predetermined location.
42. (presently amended) The hub arrangement of Claim 32 34, wherein the socket has a flexible latch for being received within a walled cavity of the plug for locking the socket to the plug in a predetermined relation.
43. (presently amended) The hub arrangement of Claim 32 34, wherein the device is a flexible metal conduit for receiving the light pipe.
44. (previously presented) The hub arrangement of Claim 43, wherein the metal conduit is directly mounted in cavity.
45. (presently amended) The hub arrangement of Claim 32 34, wherein the device is a watertight covering to protect the light pipe.
46. (presently amended) The hub arrangement of Claim 32 34, wherein the device is fire-retardant material to protect the light pipe.
47. (new) The hub arrangement of Claim 18, wherein the fore end of the plug is integrally joined to the aft end of the plug.
48. (new) The hub arrangement of Claim 39, wherein said portion of the light pipe is fixed in relation to the fore end and the aft end of the plug.
49. (new) The hub arrangement of Claim 18, wherein each plug and associated socket include a latch arrangement to releasably hold the plug with the socket.

50. (new) A hub arrangement for mounting light pipe to receive light, comprising:

- a) a rod hub for mounting at least one thermally isolating, light-collection rod for receiving light from a light source;
- b) a light pipe hub for mounting at least one light pipe, with a plug-and-socket arrangement; the plug-and-socket arrangement including:
  - i) a socket in the light pipe hub for receiving a plug;
  - ii) a plug for mounting a light pipe end that is to receive light; a fore end of the plug being receivable within the socket; the plug having a channel for receiving the light pipe through an aft end of the plug;
  - iii) a latch arrangement to releasably hold the plug in the socket; and
- c) the rod hub having a plate for mounting the rod to the hub; the plate comprising:
  - i) a first main surface and a second main surface;
  - ii) an aperture between the first and the second surface; the rod passing through the aperture; and
  - iii) a groove contoured for receiving an O-ring for being compressed against the rod when the plate is secured into the rod hub.

51. (new) The hub arrangement of Claim 18, wherein the rod hub arranges light-receiving ends of said light-collection rods in a manner such that each of the light-receiving ends receive light rays traveling from said light source in respective straight lines.